ABSTRACT OF THE DISCLOSURE

A method of controlling and monitoring voltage potential on a human body that includes the following steps: a) Connecting the human body to a "Quasi Virtual Ground"; b) Providing contact with the human skin via one or more silver / silver chloride electrodes; c) Continuously monitoring the triboelectric current i(t) flowing into the "Quasi Virtual Ground" terminal; d) Determining whether or not a person is properly wearing his / her body electrode; e) Including circuitry that immediately interrupts the path-to-ground when a dangerously large current is detected; f) Including circuitry that immediately interrupts the path-to-ground when the power supply to the workstation monitor is interrupted, either intentionally or accidentally.